



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date November 11, 2020	EPA Reg No./File Symbol 68506-2	Page 1 of 5
Applicant's/Registrant's Name & Address Tessara (PTY) Ltd 35 Kinghall Avenue, Epping 2 Cape Town, South Africa	Product UVASYS	
Ingredient sodium metabisulfite (CAS No.: 7681-57-4; Chemical Code: 111409)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT SPECIFIC DATA REQUIREMENTS					
830.1550	Product Identity and Composition	43854401 47730201	Tessara (PTY) Ltd Tessara (PTY) Ltd	OWN OWN	
830.1600	Description of Materials Used to Produce the Product	43854401 47928301	Tessara (PTY) Ltd Tessara (PTY) Ltd	OWN OWN	
830.1620	Description of the Production Process				Not required
830.1650	Description of the Formulation Process	43854401 47928301	Tessara (PTY) Ltd Tessara (PTY) Ltd	OWN OWN	
830.1670	Discussion of Formation of Impurities	43854401	Tessara (PTY) Ltd	OWN	
830.1700	Preliminary Analysis	48521501	Tessara (PTY) Ltd	OWN	
830.1750	Certified Limits	43854402	Tessara (PTY) Ltd	OWN	
830.1800	Enforcement Analytical Method	43854402 47928301	Tessara (PTY) Ltd Tessara (PTY) Ltd	OWN OWN	
830.6302	Color			PL	See endnote ¹
830.6303	Physical State			PL	See endnote ¹
830.6304	Odor			PL	See endnote ¹
830.6313	Stability to Normal and Elevated Temperatures, Metals and Metal Ions				Not required
830.6314	Oxidation / Reduction: Chemical Incompatibility				Waived ²
830.6315	Flammability				Waived ²
830.6316	Explosibility				Waived ²
830.6317	Storage Stability	48525501	Tessara (PTY) Ltd	OWN	
830.6319	Miscibility				Waived ²
830.6320	Corrosion Characteristics	48525501	Tessara (PTY) Ltd	OWN	
830.6321	Dielectric Breakdown Voltage				Waived ²
830.7000	pH				Waived ²

Signature 	Name and Title Ann M. Tillman, PhD Agent	Date 11/11/2020
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830.7050	UV / Visible Absorption				Not required
830.7100	Viscosity				Waived ²
830.7200	Melting Point / Melting Range			PL	See endnote ¹
830.7220	Boiling Point / Boiling Range			PL	See endnote ¹
830.7300	Density / Relative Density / Bulk Density			PL	See endnote ¹
830.7370	Dissociation Constants in Water				Waived ²
830.7520	Particle Size, Fiber Length, and Diameter Distribution				Waived ²
830.7550, 830.7560, 830.7570	Partition Coefficient (n-octanol/water), Shake Flask Method, Generator Method, Estimation by Liquid Chromatography				Waived ²
830.7840, 830.7860	Water Solubility: Column Elution Method, Shake Flask Method, Generator Column Method			PL	See endnote ¹
830.7950	Vapor Pressure			PL	See endnote ¹
870.1100	Acute Oral Toxicity – rat				Waived / See endnote ³
870.1200	Acute Dermal Toxicity – rat				Waived / See endnote ³
870.1300	Acute Inhalation Toxicity – rat				Waived / See endnote ³
870.2400	Eye Irritation				Waived / See endnote ³
870.2500	Skin Irritation				Waived / See endnote ³
870.2600	Skin Sensitization				Waived / See endnote ³

Signature

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Ingredient sodium metabisulfite (CAS No.: 7681-57-4; Chemical Code: 111409)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
GENERIC DATA REQUIREMENTS					
850 series	Ecological Effects and Ecotoxicity				Not required ⁴
870 Series	Toxicology				Not required ⁵
875 Series	Worker Exposure	50971301	Sodium Metabisulfite Task Force	OWN	See endnote ⁶
201-1, 202-1	Droplet Size Spectrum				Not required
835 series	Environmental Fate				Not required ⁷
860.1300	Nature of the Residue: Plants	42552401		OLD	
860.1300	Nature of the Residue: Livestock				Not required
860.1850	Confined Rotational Crops				Not required
860.1340	Residue Analytical Methods	40695602 40169601		OLD OLD	
860.1360	Multiresidue Method				Not required
860.1380	Storage Stability	40695604		OLD	
860.1500	Magnitude of the Residue in Plants: blueberries	51247701	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: grapes	40695601-03 40695605-13 40695610 40695611 40695612 41074501-02			

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		41275701-02 41630601			
860.1520	Magnitude of the Residue in Processed Food or Feed: grapes	40695603 40695608		OLD OLD	
860.1550	Proposed Tolerance	Pending	IR-4	PL	
860.1560	Reasonable grounds in support of petition	Pending	IR-4	PL	
860.1480	Magnitude of the Residue in Meat, Milk, Poultry, and Eggs				Not required
860.1400	Nature and Magnitude of the Residue in Potable Water				Not required
860.1400	Magnitude of the Residue in Fish				Not required
860.1400	Magnitude of the Residue in Plants Resulting from the Use of Irrigation Water				Not required
860.1460	Magnitude of the Residue in Food Handling Establishments				Not required
860.1900	Field Rotational Crops				Not required

Signature 	Name and Title Ann M. Tillman, PhD Agent	Date 11/11/2020
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Data Matrix Endnotes for UVASYS

- ¹ **830.6302, 830.6303, 830.6304, 830.7200, 830.7220, 830.7300, 830.7840, 830.7950** – These data are satisfied by public literature (Agency for Toxic Substances and Disease Registry. 1998a. Toxicological Profile for Sulfur Dioxide. <http://www.atsdr.cdc.gov/toxprofiles/tp116.html>) as referenced in the May 2007 Reregistration Eligibility Decision – Inorganic Sulfites (RED).
- ² **830.6314, 830.6315, 830.6316, 830.6319, 830.6321, 830.7000, 830.7100, 830.7370, 830.7520, 830.7550** – These Agency has waived these data requirements for this product registration as per Linda Propst's June 9, 2008 letter to Jeff Jones regarding the Agency's review of product chemistry waiver requests.
- ³ **870.1100, 870.1200, 870.1300, 870.2400, 870.2500, 870.2600** – These Agency has waived these data requirements for this product registration as per EPA Memo dated December 29, 2008 regarding this product. Acute toxicity for the active ingredient is satisfied by public literature as per the RED and the March 23, 2020 *Inorganic Sulfites. Draft Human Health Risk Assessment in Support of Registration Review* (HH RA).
- ⁴ **850 series** – These data are not required as per the RED and the July 23, 2013 *Registration Review: Preliminary Problem Formulation for Ecological Risk, Environmental Fate, Endangered Species, and Drinking Water Assessments for Sulfur Dioxide (PC Code 077601) and Sodium Metabisulfite (PC Code 111409)* (DP Barcode: 411058) (Problem Formulation).
- ⁵ **870 series** – These data are not required as per the September 11, 2013 *Inorganic Sulfites. Human Health Assessment Scoping Document in Support of Registration Review* (DP Barcode: D411060) (Scoping Document).
- ⁶ **875 series** –
- Tessara (PTY) Ltd is a member of the Sodium Metabisulfite Task Force.
- ⁷ **835 series** – These data are not required as per the Problem Formulation.